



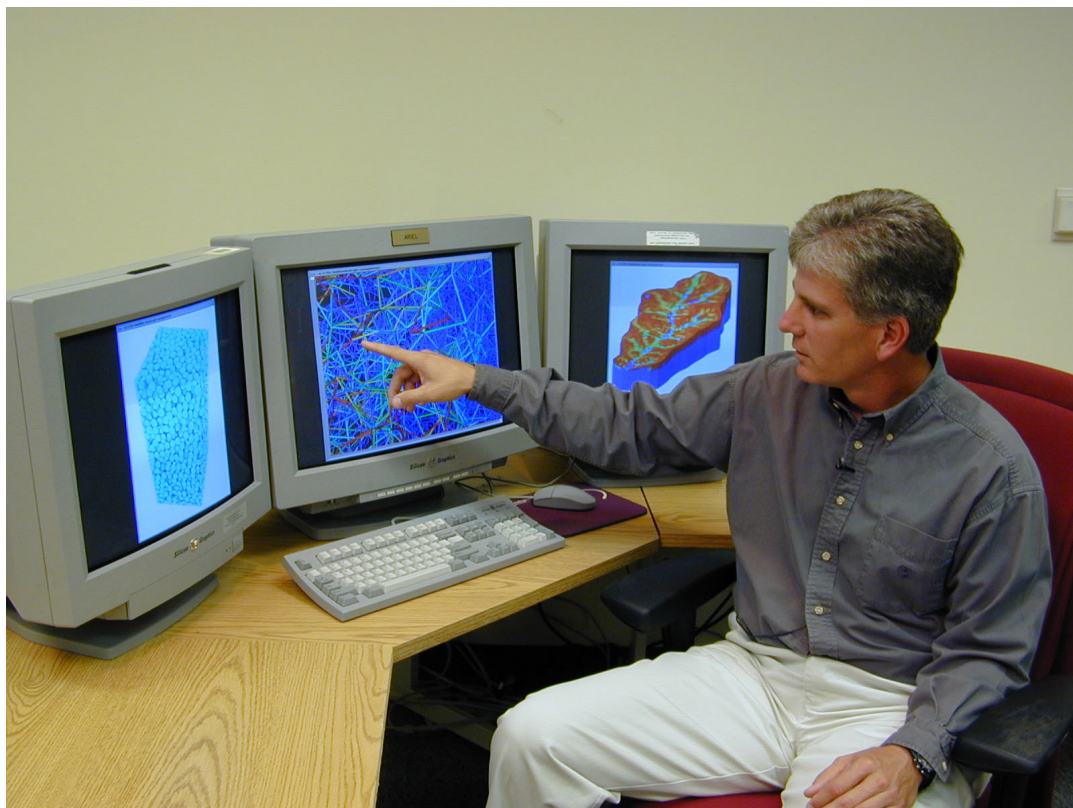
**US Army Corps
of Engineers®**

Engineer Research and
Development Center

ERDC Coastal Engineering Information Analysis Center

Description

The Coastal Engineering Information Analysis Center (CEIAC) provides quick referrals to and establishes contact with leading authorities in various areas of technical expertise in coastal engineering. It is utilized by a diverse clientele including government and private industry researchers, engineers, program managers, students, and others interested in the wide field of coastal engineering and science.



Dr. Stacy Howington of CHL views images in MSRC's SCiVis Laboratory

Capabilities

The CEIAC is supported by CHL's multidisciplinary technical staff made up of engineers, scientists, equipment specialists, and other technical personnel who establish and maintain historical, technical, scientific, and other information collected throughout the world which is pertinent to coastal engineering. Expertise is offered in areas of coastal waves and currents, coastal sedimentary processes, coastal structures, dredging, coastal hazards, and risk assessment. In addition, CEIAC maintains an extensive database of wave data that can be transferred to users via file transfer protocol (FTP). The CEIAC provides bibliographic inquiry services in which authoritative reports are searched; referral services providing consultation or referral to world-recognized technical experts; technical inquiry services in which expert and authoritative advice is given in response to technical questions; and basic services such as providing quick e-mail or telephone responses.

Supporting Technology

In making referrals and answering requests, the CEIAC has access to the ERDC Research Library <http://libweb.wes.army.mil/index.htm> which may refer the inquirer to Coastal and Hydraulics Engineering Technical Notes containing subject matter within the entire range of coastal engineering and science; the Automated Coastal Engineering System, which is a system of microcomputer programs used in coastal engineering planning and design; and the Coastal Modeling System, which is a system of computer programs for use in coastal engineering planning and design. The CEIAC also makes use of the Information Technology Laboratory's Major Shared Resource Center, which offers its users the latest in high-performance computing (HPC) capabilities, the state-of-the-art in scientific visualization, and training in HPC skills.

Benefits

The CEIAC helps customers in basic research efforts by directing them to necessary data and information. It improves the productivity of researchers, engineers, program managers, and others interested in hydraulic engineering by collecting and disseminating scientific and technical information in specialized fields or subject areas.

Point of Contact

Stephen E. Wagner, CEERD-HC-A, e-mail: Stephen.E.Wagner@erdc.usace.army.mil
Phone: 601-634-3000.